× 65

Overturned

Inclined

Horizontal

Vertical

Strike and dip of bods

Strike and dip of joints

EXPLANATION

Quaternary deposits are more extensive
than shown because they were not mapped
where less than 3 feet thick

MISCELLANEOUS DEPOSITS ALLUVIAL DEPOSITS LACUSTRINE DEPOSITS fa Artificial fill Flood-plain alluvium cm Marsh deposit Colluvium Terrace alluvium es ds dsb da Eolian sand Draper Formation Alluvium Rd ds, sand facies dpg dsb, sand bar Landslide deposit Lake gravel undifferentiated pa bm Alluvium Bonneville Formation Lc Pg, upper gravel facies by lower gravel facies byb, bar or spit hake clay undifferentiated bm, silt facies fgo 29 26 Alluvial fan deposits fgy, undifferentiated fan Alpine Formation deposits younger than the ag, gravel facies ac, clay and sitt facies Bonneville shoreline fgo, undifferentiated fan deposits that predate the Bonneville shareline BEDROCK Kau Bedrock locally is greatly faulted and fractured and steeply dipping. Certain combinations of Tag these conditions produce unstable slopes, which Rem are present at many places along the mountain front Ankareh Fermation Rau, upper member: brown to reddish-purple shale, mudstone, and fine-grained sandstone hag, Gartra Grit Member: massive to cross/bedded very light gray to pale-purple quartzite, locally Conglomerate Pebbly to cobbly, reddish-brown to light-gray. Ram, Mahogany Member: brown to reddish-purple May include some conglomerate of Cretaceous shale, mudstone, and fine-grained sandstone age near Twin Peaks Theynes Formation Volcanic rocks Silty medium-gray fossiliferous limestone; weathers Dark-gray, agglomerate, porphyritic light- to brownish gray to light gray; locally nodular; dark-gray lava flows, and very fine grained interbedded with shale and sandstone light-gray tuff. Rocks are generally altered and physical properties may vary TI Woodside Shale Dark-brown to red, locally sandy Limestone Dense light-gray to white limestone and calcareous sandstone and siltstone Park City Formation Light- to medium-gray limestone, interbedded with gray to brown fine-grained sandstone and shale; Kkp locally charty and phosphatic Kelvin Formation SSISSIPPIAN PENNSYLVANIAN Kk, reddish-brown siltstone and silty sandstone, pebbly to cebbly gray to reddish-gray conglowerate, and dark- to medium-gray limestone. Weber Quartzite Locally lenses of dark-gray chart are present Locally congloweratic quartzite and sandstone, Kkp, Parleys Member: dense white to light-gray weathering very light brown; interbedded with limestone and fine- to coarse-grained lightlimestone and dolomite to medium-gray sandstone. Locally contains gray conglowerate and lenses of red jasper Pero Jp Round Valley Limestone and older rocks Bark- to medium-gray mainly limestone Preuss Sandstone Pine- to medium-grained raddish-brown to pale-rad sandstone, and shale Contact Long dashed where approximately located; short Jtc dashed where inferred; dotted where concealed Twin Creek Limestone Silty medium- to brownish-gray pencil-jointed Fault, showing dip limestone, and shale Long dashed where approximately located; short dashed where inferred; dotted where concealed, Structures built across faults may be subjected to strong shearing stresses during earthquakes. Structures near faults may be subject to vio-Nugget Sandstone lent horizontal and vertical movements during Fine- to medium-grained, crossbedded, brown and earthquakes light-gray